

p-Toluenesulfonamide, alpha-(purin-6-ylamino)-

Other names:	«alpha»-[Purine-6-ylamino]-p-toluenesulfonamide
Inchi:	InChI=1S/C12H12N6O2S/c13-21(19,20)9-3-1-8(2-4-9)5-14-11-10-12(16-6-15-10)18-7-17
InchiKey:	MGZJAXYRCXYPPD-UHFFFAOYSA-N
Formula:	C12H12N6O2S
SMILES:	NS(=O)(=O)c1ccc(CNc2ncnc3[nH]cnc23)cc1
Mol. weight [g/mol]:	304.33
CAS:	21266-66-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.61		Crippen Method
logp	0.131		Crippen Method
mcvol	205.230	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C21266660&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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